Figure 1: Single temperature profile from near surface to 60 km altitude detected by the DFOV Pure Rotational Raman-Rayleigh lidar (2024.03.10 0:30~1:30). Comparison of atmospheric temperature among lidar, radiosonde, and model. Error bars show the 1–σ statistical uncertainty of the measurements.
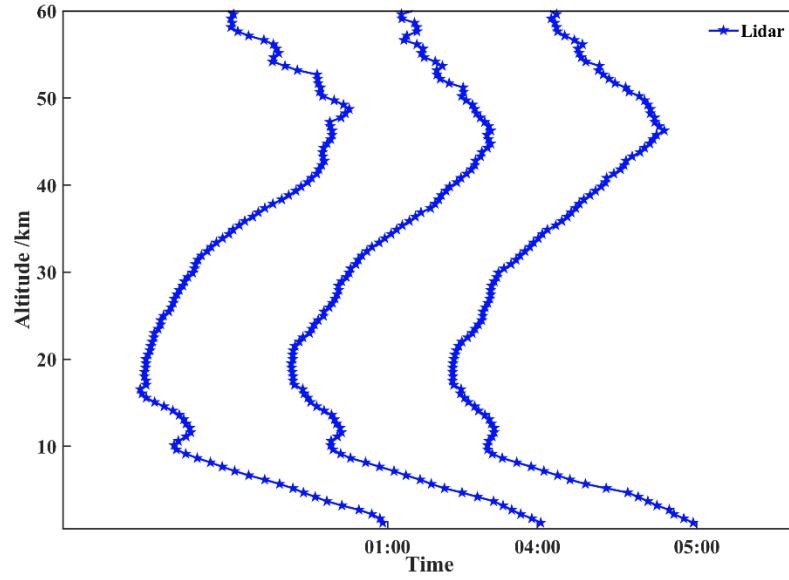
Figure 2: Time series results of atmospheric temperature profiles detected by the DFOV Pure Rotational Raman-Rayleigh lidar from near surface to 60 km altitude (2024.3.10).